

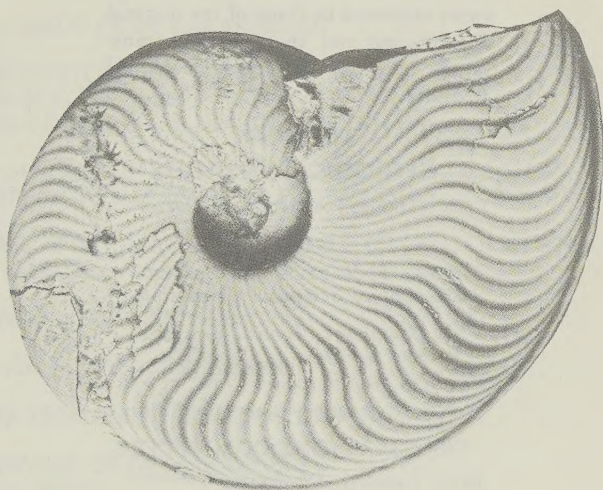
*Paleontological
Journal*

176

A Translation of

ПАЛЕОНТОЛОГИЧЕСКИЙ
ЖУРНАЛ

QE
701
P5443



PUBLISHED BY THE AMERICAN GEOLOGICAL INSTITUTE



VOLUME 2

1968

The PALEONTOLOGICAL JOURNAL is a quarterly publication of the American Geological Institute with supplemental support from the National Science Foundation. It is translated from *Paleontologicheskii Zhurnal* on the advice of the AGI Translations Committee and with the cooperation of paleontologists of the U.S. Geological Survey, U.S. National Museum, and the Geological Survey of Canada. Accurate and faithful translation is intended so that the views expressed be those of the original authors and not those of the translators or the American Geological Institute.

**AMERICAN
GEOLOGICAL INSTITUTE**

LINN HOOVER, *Executive Director*

STAFF

THOMAS F. RAFTER, JR., *Assistant
Director of Science Information*

V. P. SOKOLOFF, *Translations and
Review Editor*

PATRICIA WOOD, *Editor*

WENDY COOKSON, *Associate Editor*

TRANSLATIONS COMMITTEE

JOHN LEMISH, *Chairman*

EUGENE A. ALEXANDROV

DOUGLAS C. ALVERSON

EARL INGERSON

LIAISON REPRESENTATIVES

MICHAEL FLEISCHER, *MSA*

MARTIN F. GLAESSNER, *Australia*

ALFRED J. HERMONT, *SExG*

BENJAMIN F. LEONARD, *SEcG*

ARTHUR A. MEYERHOFF, *AAPG*

SIEMON WM. MULLER, *PS*

ROBERT I. TILLING, *GS*

FRANK C. WHITMORE, *SVP*

Issue Number 1

ARTICLES

	Page
Gorbachik, T. N. HOMEOMORPHISM IN FORAMINIFERS.	1
Mel'nikova, G. K. THE GENUS <u>Cyathocoenia</u> (HEXACORALLA).	9
Kopayevich, G. V. THE GENUS <u>Eridotrypa</u> AND ITS EVOLUTION.	16
Prozorovskaya, Ye. L., and G. F. Pozhariskaya SYSTEMATIC POSITION AND SCOPE OF THE GENUS <u>Gusarella</u> (BRACHIOPODA).	25
Shishkinskaya, A. F. NEW DEVONIAN OSTRACODS OF THE FAMILY DREPANELLIDAE FROM THE VOLGOGRAD PROVINCE.	35
Kochetkova, N. M. LATE PERMIAN OSTRACODS OF BASHKIRIA	42
Yegorova, L. I., and V. Ye. Savitskiy TRILOBITES OF THE MAYAN STAGE IN THE NORTHERN SIBERIAN PLATFORM.	52
Chernysheva, N. Ye. MIDDLE CAMBRIAN TRILOBITES OF THE NORTH CAUCASUS.	64
Stukalina, G. A. SYSTEMATICS OF THE PENTAMERATA (CRINOIDEA) GROUP.	73
Kurochkin, Ye. N. NEW OLIGOCENE BIRDS FROM KAZAKHSTAN	83
Krasilov, V. A. CLASSIFICATION OF STOMATAL APPARATUSES.	91
Ishchenko, T. A., and N. L. Sorokina FRUCTIFICATION OF THE LATE DEVONIAN FERN <u>Rhacophyton incertum</u>	99
Skuratenko, A. V. SPORES OF NEW SPECIES OF THE FAMILIES DAVALLIACEAE AND ASPIDIACEAE FROM THE UPPER CRETACEOUS-PALEOGENE OF WESTERN SIBERIA	104
Gluzbar, E. A. BUILDING A FOSSIL SPORE LIBRARY; METHODS OF ISOLATING SINGLE SPORE AND POLLEN GRAINS	111
Antonova, Z. A. NEW FORAMINIFER SPECIFIC NAMES	115
Shishova, N. A. NEW ORDER OF PALEOZOIC BRYOZOANS	117
Lazarev, S. S. MORPHOLOGY OF TRIPLESIIIDS (BRACHIOPODA).	122
Lyubimova, P. S. SYSTEMATIC POSITION OF <u>Palaeocytheridea</u>	126
Ochev, V. G., and S. P. Rykov NEW GENUS OF SMALL REPTILES FROM THE TRIASSIC OF DONSKAYA LUKA.	130
Mos'kina, O. D. SMALL NEOGENE AND ANTHROPOGENE MAMMALS OF THE RUDNYY ALTAY	132
Burchak-Abramovich, N. I., and Ye. G. Gabashvili PRIMITIVE OX IN THE HIPPARION FAUNA OF UDABNO (EAST GEORGIA).	136
REVIEW AND CHRONICLES.	141

Issue Number 2

ARTICLES

Bogoyavlenskaya, O. V. MORPHOLOGICAL TERMINOLOGY OF STROMATOPOROIDEA	149
Tesakov, Yu. I. QUANTITATIVE CHARACTERS OF FAVOSITIDS EXEMPLIFIED BY <u>Pachyfavosites</u> <u>kozlowskii</u> SOKOLOV.	157
Koksharskaya, K. B. NEW GIVETIAN ALVEOLITIDS (TABULATA) FROM THE SETTE-DABAN RANGE IN YAKUTIA.	164
Martynova, M. V., and T. V. Sverbilova FIRST MEMBERS OF THE SPIRIFERIDAE FROM THE DEVONIAN OF KAZAKHSTAN.	169
Viskova, L. A. NEW BRYOZOANS OF THE SUBORDER SALPINGINA	175

Issue Number 2 (concluded)

ARTICLES

Page

Ivanova, V. A. EVOLUTION OF MIDDLE ORDOVICIAN OSTRACODS OF THE GENUS <u>Egorovella</u>	185
Mandel'shtam, M. I., and A. S. Masumov NEW EARLY CALLOVIAN OSTRACODS FROM THE SOUTHWEST SPURS OF THE HISSAR RANGE	194
Sukacheva, I. D. MESOZOIC CADDIS FLIES (TRICHOPTERA) OF TRANSBAYKALIA.	202
Vorob'yeva, E. I., and M. G. Minikh EXPERIMENTAL APPLICATION OF BIOMETRY TO THE STUDY OF CERATODONTID DENTAL PLATES.	217
Chkhikvadze, V. M. SAKYIDAE, NEW FAMILY OF FOSSIL TURTLES.	228
Saydakovskiy, L. Ya. CHAROPHYTA FROM THE TRIASSIC OF THE CASPIAN DEPRESSION.	234
Dorofeyev, P. I. OLIGOCENE FLORA OF TRANSURALIA.	248
Bolotnikova, M. D. Pterocarya POLLEN FROM THE TERTIARY OF THE FAR EAST.	256
Kalashnikov, N. V. COLORATION OF FOSSIL BRACHIOPOD SHELLS.	265
Zaika-Novatskiy, V. S., V. A. Velikanov, and A. P. Koval' FIRST MEMBER OF THE EDIACARA FAUNA IN THE WENDIAN OF THE RUSSIAN PLATFORM (UPPER PRECAMBRIAN).	269
Romanenko, Ye. V. CAMBRIAN SPONGES OF THE ORDER HETERACTINELLIDA IN THE ALTAY.	271
Sartenaer, P., and Kh. S. Rozman Physetorhyncha, NEW GENUS OF LATE FAMENNIAN RHYNCHONELLIDS	275
Aliyev, R. A. AN AMMONITE OF THE GENUS <u>Subpulchellia</u> FROM THE BARREMIAN OF THE CAUCASUS	277
Lazurkin, D. V., and V. G. Ochev FIRST DISCOVERY OF SAUROPTERIGIAN REMAINS IN THE TRIASSIC OF THE USSR	279
REVIEW, CHRONICLES, AND OBITUARY	281

Issue Number 3

ARTICLES

Shishkin, M. A. MORPHOGENETIC FACTORS AND THE IRREVERSIBILITY OF EVOLUTION	293
Strel'nikov, S. I. NEW CYSTIPHYLLIDS (RUGOSA) FROM THE SILURIAN OF THE ARCTIC URALS AND THE CHERNYSHEV RIDGE	300
Bol'shakova, L. N. STATISTICAL METHOD APPLIED TO STUDY OF <u>Lophiostroma</u>	312
Ifanova, V. V. EARLY PERMIAN CHONETIDAE OF THE PECHORA BASIN.	318
Kul'kov, N. P. PROBLEMS OF PENTAMERID MORPHOLOGY AND SYSTEMATICS.	323
Grunt, T. A. <u>Spirigerella</u> AND ITS TYPE SPECIES <u>Spirigerella derbyi</u>	330
Kamyshan, V. P. NEW DATA ON THE MORPHOLOGY AND SYSTEMATICS OF MESOZOIC STRIATED (CAPILLATE) RHYNCHONELLIDAE	335
Neustruyeva, I. Yu. NEW OSTRACODES (PERMIANIDAE) FROM THE LOWER JURASSIC CONTI- NENTAL DEPOSITS OF SOUTH FERGANA	346
Abushik, A. F. LUDLOVIAN OSTRACODES OF THE TURKESTAN RANGE (SOVIET CENTRAL ASIA).	352

Issue Number 3 (concluded)

ARTICLES

	Page
Schneider, G. F. MIDDLE MIOCENE OSTRACODES OF WESTERN CISBALKHASHIA.	361
Molin, V. A. NEW SPECIES OF CONCHOSTRACA FROM THE UPPER PERMIAN AND LOWER TRIASSIC OF THE EUROPEAN USSR	367
Vasina, R. A., and M. P. Doludenko THE LATE AALENIAN FLORA OF DAGESTAN	374
PROBLEMS OF NOMENCLATURE.	383
Gorn, N. K. SYSTEMATICS OF EARLY CRETACEOUS BELEMNOPSINAE Lipman, R. Kh. RENAMING OF TWO LATE CRETACEOUS SPECIES OF RADIOLARIANS	
Meyyen, S. V. METHODS OF INVESTIGATING AND DESCRIBING FOSSIL PLANTS	386
Dolgayeva, Zh. N. ADVANCES IN EXTRACTION OF PLANT MICROREMAINS FROM OIL.	387
Suleymanov, I. S. SYSTEMATICS OF THE FORAMINIFERAL GENERA <u>Arenoparrella</u> AND <u>Trochamminula</u>	390
Voloshina, A. M. A NEW CAMPANIAN SPECIES OF <u>Orbignyna</u>	396
Korshunov, V. I. <u>Gonamispongia</u> , A NEW GENUS OF THE FAMILY CHANCELLORIIDAE	398
Kravtsov, A. G. MAASTRICHTIAN SPIRAL SPONGES OF THE CRIMEAN HIGHLANDS	401
Yanin, B. T. ALBIAN WOOD BORERS OF THE GENUS <u>Martesia</u> FROM THE SOUTHERN USSR	405
Popov, Yu. N. EARLY TRIASSIC AMMONOIDS FROM <u>Prohunganrites similis</u> ZONE IN NORTHERN YAKUTIA.	410
Vozin, V. F. ASYMMETRY IN THE SUTURE LINE OF A TRIASSIC CERATITE	414
Repin, Yu. S. NEW TOARCIAN AMMONITE GENUS FROM NORTHEASTERN USSR.	416
Vcherashnyaya, G. P. NEW SPECIES OF <u>Salix</u> FROM MT. MAMONTOVA (LATE OLIGOCENE- EARLY MIOCENE).	420
BOOK REVIEWS	424
REVIEW, CHRONICLES, OBITUARIES.	431

Issue Number 4

ARTICLES

Davidzon, R. M., and V. V. Oleynik FORAMINIFER DISTRIBUTION IN THE TADZHIK MARINE BASIN IN ISFARIAN-SUMSARIAN TIME.	443
Semenova, Ye. P. PECULIARITIES IN THE FORMATION OF BIVALVE MOLLUSK PALEO- BIOCOENOSIS IN THE PALEOGENE BASIN, SOUTHEASTERN RUSSIAN PLATFORM	453
Meyyen, S. V. CONIFER SYSTEMATICS AND EVOLUTION — RELATION TO DISCOVERY OF OVULES IN <u>Buriadia</u>	461
Shumenko, S. I. ONTOGENY, VARIATION AND TAXONOMY OF FOSSIL COCCOLITHOPH- ORIDS AS REVEALED BY ELECTRON MICROSCOPE	464
Pronina, T. V. <u>Earlandia</u> AND OTHER SILURIAN FORAMINIFERS OF THE URALS	471
Tolstikova, N. V. <u>Rectidens</u> (BIVALVIA) FROM THE PALEOCENE OF THE ZAYSAN DEPRESSION.	481

ARTICLES	Page
Romanchuk, T. V., and A. V. Kiseleva NEW LATE PERMIAN BRYOZOANS OF THE FAR EAST	488
Tzaj, D. T. NEW SPECIES OF EARLY ORDOVICIAN GRAPTOLITES FROM CENTRAL KAZAKHSTAN	493
Kolakovskiy, A. A., and A. K. Shakryl Colchidia — NEW SARMATIAN GENUS OF PINACEAE FROM ABKHAZIA	498
Ablayev, A. G. UPPER CRETACEOUS LAURACEAE LEAVES FROM THE MARITIME TERRITORY	503
Poltavtseva, N. V. NEW SPECIFIC NAME, <u>Favosites beljaevi</u>	509
Akhvlediani, Ye. G. USE OF EPOXY IN THE STUDY OF FOSSIL SHELLS AND OTHER SKELETAL REMAINS.	510
Stepanaitis, N. E. PUNCHED-CARD INDEX FOR CARBONIFEROUS OSTRACODE SPECIES	512
Preobrazhenskiy, B. V. LATE ORDOVICIAN DESMIDOPORIDS FROM THE OMULEVSK MOUNTAINS (KOLYMA RIVER BASIN)	518
Markov, Ye. P., and V. S. Semenova LATE CAMBRIAN AND EARLY ORDOVICIAN TRILOBITES FROM THE PODKAMENNAYA TUNGUSKA BASIN.	523
Arendt, Yu. A. PIRASOCRINIDS FROM KRASNOUFIMSK.	529
Koren', T. N. NEW EARLY SILURIAN GRAPTOLITES FROM THE SOUTHEASTERN URALS.	531
CHRONICLE, OBITUARY	534
BOOK REVIEWS	537
INDEX for Volume 2, 1968	545

* * * * *

ERRATA

Number 2, page 292

Authors of obituary omitted; should
read K. P. Yevseyev, A. I. Zhamoida,
and V. Yu. Ruzhentsev.

Number 4, page 534, lines 12, 13

Line of type deleted from Russian
original has been supplied by the au-
thor. Lines should read: widening
3-5°, moderately widening 6-10°...